

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Listing of Claims:

Claim 1-4 (Cancelled).

Claim 5 (Currently Amended): ~~The~~ A method for evaluating ~~the~~ a reproducibility of a toning sample by CCM ~~according to claim 1,~~ wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and
respective components are registered in a CCM system, comprising:

evaluating the reproducibility of the samples based on a difference of spectral reflectance ΔR -n, wherein n denotes a sample number, between spectral reflectance RST -n obtained by measuring the respective samples and spectral reflectance RPR -n obtained by a CCM simulation corresponding to a coloring agent recipe for the sample at a same n;

wherein the evaluating evaluation is performed based on ~~the~~ a difference of color specification value ~~such as $\Delta L^*a^*b^*$ corresponding to the difference of spectral reflectance ΔR -n or~~ a difference of spectral transmittance ΔT -n, a statistical value ~~such as~~ including at least one of a maximum, minimum and or a standard deviation of the difference of color specification value and ~~the~~ a color difference as well as the color difference calculated from the statistical value.

Claim 6 (Original): A method for evaluating the reproducibility of a toning sample by CCM, which comprises incorporating the method for evaluating the reproducibility of a toning sample as defined in claim 5 into a CCM software and calculating the coloring agent recipe by CCM system and, thereby, the reproducibility can be confirmed.

Claim 7-8 (Cancelled).

Claim 9 (Currently Amended): ~~The~~ A method for evaluating a toning sample ~~according to claim 7, wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and respective components are registered in a CCM system, comprising:~~

evaluating a reproducibility of the samples based on a difference $\Delta R-n$, wherein n denotes a sample number, between spectral reflectance $RST-n$ obtained by measuring the respective samples and spectral reflectance $RPR-n$ obtained by a CCM simulation corresponding to a coloring agent recipes for the sample at a same n , comprising the steps of:

extracting a sample indicating an abnormal value $\Delta R-b$, wherein b denotes a bad value, different from others among $\Delta R-n$ of sample groups; and

choosing at least one of a coloring agent component mixed in the sample indicating the abnormal value or estimating a mixed amount of the coloring agent component, said estimating including the steps of:

calculating either of n except for b among the $\Delta R-n$ or an average of $\Delta R-n$ except for b , wherein the measured spectral reflectance of a sample indicating the abnormal value is $RST-b$ and spectral reflectance obtained by CCM simulation corresponding to the coloring agent recipe is $RPR-b$;

adding a calculated value obtained in said calculating to spectral reflectance $RPR-b$ by CCM system to obtain a corrected provisional true value $RST'-b$;

determining a difference $\Delta R'-b$ between a provisional true value $RST'-b$ and a measured spectral reflectance $RST-b$;

using the measured spectral reflectance $RST-b$ minus $\Delta R-ave$ as a corrected target color, obtaining spectral reflectance $RPR-m$ obtained by simulation from an existing

CCM data for toning to the corrected target color, and obtaining the difference ΔR -m between the spectral reflectance RPR-m and the simulated spectral reflectance RPR-b by CCM system; and

determining a difference ΔR -m so that the difference between the $\Delta R'$ -b and the difference ΔR -m becomes minimum;

wherein ~~the~~ a difference of color specification value or color difference obtained based on the difference ΔR -n is used in place of the ~~above~~ difference ΔR -n, ~~or the difference of color specification value or color difference obtained based on the difference ΔT -n is used in place of the ΔT -n.~~

Claim 10 (Currently Amended): ~~The~~ A method for evaluating ~~the~~ a reproducibility of a toning sample by CCM ~~according to claim 2, wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and respective components are registered in a CCM system, comprising:~~

evaluating the reproducibility of the samples based on a difference of spectral transmittance ΔT -n, wherein n denotes a sample number, between spectral transmittance TST-n obtained by measuring the respective samples and spectral transmittance TPR-n obtained by a CCM simulation corresponding to a coloring agent recipe for the sample at a same n;

wherein ~~the evaluating evaluation~~ is performed based on ~~the~~ a difference of color specification value ~~such as $\Delta L^*a^*b^*$ corresponding to the~~ a difference of spectral reflectance ΔR -n or the difference of spectral transmittance ΔT -n, a statistical value ~~such as~~ including at least one of a maximum, minimum and or a standard deviation of the difference of color specification value and the a color difference as well as the color difference calculated from the statistical value.

Claim 11 (Previously Presented): A method for evaluating the reproducibility of a toning sample by CCM, which comprises incorporating the method for evaluating the reproducibility of a toning sample as defined in claim 10 into a CCM software and calculating the coloring agent recipe by CCM system and, thereby, the reproducibility can be confirmed.

Claim 12 (Currently Amended): ~~The~~ A method for evaluating ~~the~~ a reproducibility of a toning sample by CCM ~~according to claim 3,~~ wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and respective components are registered in a CCM system, comprising:

evaluating the reproducibility of the samples based on a difference of spectral reflectance $\Delta R-n$, wherein n denotes a sample number, between spectral reflectance $RST-n$ obtained by measuring the respective samples and spectral reflectance $RPR-n$ obtained by a CCM simulation corresponding to a coloring agent recipe for the sample at a same n ;

wherein the evaluating the reproducibility of the samples is performed from the difference between either of n for $\Delta R-n$, or an average for $\Delta R-n$ and the $\Delta R-n$; and

wherein the evaluating evaluation is performed based on ~~the~~ a difference of color specification value ~~such as $\Delta L^*a^*b^*$ corresponding to the difference of spectral reflectance $\Delta R-n$ or the~~ a difference of spectral transmittance $\Delta T-n$, a statistical value such as including at least one of a maximum, minimum and or standard deviation of the difference of color specification value and the a color difference as well as the color difference calculated from the statistical value.

Claim 13 (Previously Presented): A method for evaluating the reproducibility of a toning sample by CCM, which comprises incorporating the method for evaluating the reproducibility of a toning sample as defined in claim 12 into a CCM software and calculating the coloring agent recipe by CCM system and, thereby, the reproducibility can be confirmed.

Claim 14 (Currently Amended): ~~The~~ A method for evaluating ~~the~~ a reproducibility of a toning sample by CCM ~~according to claim 4,~~ wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and respective components are registered in a CCM system, comprising:

evaluating the reproducibility of the samples based on a difference of spectral transmittance ΔT -n, wherein n denotes a sample number, between spectral transmittance TST-n obtained by measuring the respective samples and spectral transmittance TPR-n obtained by a CCM simulation corresponding to a coloring agent recipe for the sample at a same n;

wherein the evaluating the reproducibility of the samples is performed from the difference between either of n for ΔT -n, or an average for ΔT -n and the ΔT -n; and

wherein the evaluating evaluation is performed based on the difference of color specification value ~~such as $\Delta L^*a^*b^*$~~ corresponding to ~~the~~ a difference of spectral reflectance ΔR -n or the difference of spectral transmittance ΔT -n, a statistical value such as including at least one of a maximum, minimum and or standard deviation of the difference of color specification value and the a color difference as well as the color difference calculated from the statistical value.

Claim 15 (Previously Presented): A method for evaluating the reproducibility of a toning sample by CCM, which comprises incorporating the method for evaluating the reproducibility of a toning sample as defined in claim 14 into a CCM software and calculating the coloring agent recipe by CCM system and, thereby, the reproducibility can be confirmed.

Claim 16 (Currently Amended): ~~The~~ A method for evaluating a toning sample ~~according to claim 8, wherein two or more samples are produced in a CCM toning or visual toning process by which colors are adapted to a target color and respective components are registered in a CCM system, comprising:~~

evaluating a reproducibility of the samples based on a difference ΔT -n, wherein n denotes a sample number, between spectral transmittance TST-n obtained by measuring the respective samples and spectral transmittance TPR-n obtained by a CCM simulation corresponding to a coloring agent recipes for the sample at a same n, comprising the steps of:

extracting a sample indicating an abnormal value ΔT -b, wherein b denotes a bad value, different from others among ΔT -n of a sample groups; and

choosing at least one of a coloring agent component mixed in the sample indicating the abnormal value or estimating a mixed amount of the coloring agent component, said estimating including the steps of:

calculating either of n except for b among the ΔT -n or an average of ΔT -n except for b, wherein the measured spectral transmittance of a sample indicating the abnormal value is TST-b and spectral transmittance obtained by CCM simulation corresponding to the coloring agent recipe is TPR-b;

adding a calculated value obtained in said calculating to spectral transmittance TPR-b by CCM system to obtain a corrected provisional true value TST'-b;

determining a difference $\Delta T'$ -b between a provisional true value TST'-b and a measured spectral transmittance TST-b;

using the measured spectral transmittance TST-b minus ΔT -ave as a corrected target color, obtaining spectral transmittance TPR-m obtained by simulation from an existing CCM data for toning to the corrected target color, and obtaining the difference ΔT -m between the spectral transmittance TPR-m and the simulated spectral transmittance TPR-b by CCM system; and

determining a difference ΔT -m so that the difference between the $\Delta T'$ -b and the difference ΔT -m becomes minimum;

~~wherein the difference of color specification value or color difference obtained based on the difference ΔR -n is used in place of the above difference ΔR -n, or the a difference of color specification value or color difference obtained based on the difference ΔT -n is used in place of the difference ΔT -n.~~